

ELECTRONICS DIVISION

A.244/S MOD.3

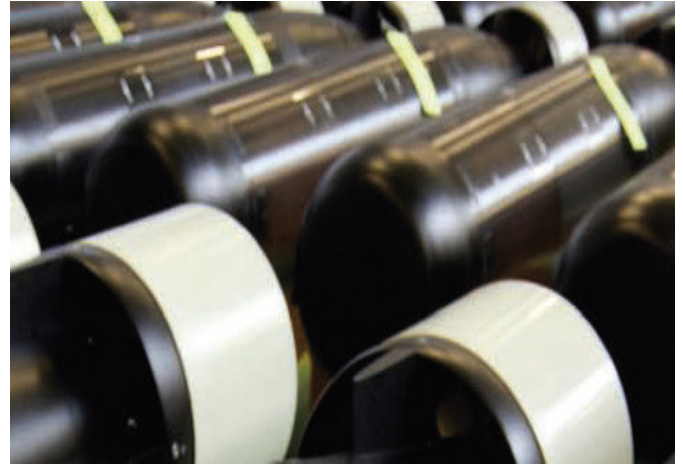
LIGHTWEIGHT TORPEDO

The A244/S Mod 3 Lightweight Torpedo represents the latest upgrade of the world-wide proven A244/S family, a LWT in service with more than 16 Navies, designed to counter the threat posed by both modern conventional and nuclear submarines. A new and more powerful propulsion battery, with an increased number of cells and an electrolyte circulation system, ensures a higher top speed and a 50% increase in the endurance of the weapon.

The introduction of an electronic controller allows a variable speed propulsion with further advantages in terms of endurance and hit probability. The acoustic performance of the A244/S in very shallow waters is now supported by an Advanced Digital Signal Processor module, to counter the latest and more sophisticated torpedo countermeasures. The A244/S Mod 3 torpedo can be easily launched from any surface platform or aircraft.

COMPONENTS

- The Acoustic Seeker, with preformed multiple transmission and reception beams and multifrequency operating capability, ensures high performance in very shallow waters and over very long engagement distances
- The omni-directional type of Warhead is designed to maximize the lethal effect of the torpedo. The Guidance & Control System is based on modern micro processor technology
- The Advanced Digital Signal Processor, introduced in the latest Mod 3 upgrade, is able to classify and track several threats simultaneously, allowing a clear discrimination between threat and countermeasures
- The Propulsion System is based on a non-toxic and extremely safe seawater battery with an electronically controlled brushless contra-rotating motor which directly drives the propeller shafts.



MAIN ACOUSTIC FEATURES

- Active detection range in excess of 2100m
- Very low TS detection capability
- Active, passive and mixed modes of operation
- Narrow and broad band acoustic modes
- Bottomed target detection capability
- Wide acoustic coverage
- High resistance to anti-torpedo countermeasures: spatial diversity, multi-frequency, signal processing, classification
- Late target alert by low radiated noise and programmable acoustic enabling distance
- Salvo mode capability, interference-free

DIMENSION AND WEIGHT

- Length: 2750mm
- Diameter: 324mm
- Weight: < 265Kg in aircraft configuration

MAIN DYNAMIC FEATURES

- Top speed more than 38kts, high speed 36kts, minimum speed 28kts
- Endurance in excess of 13,500m (low speed) or 10,000m (high speed)
- Very low radiated noise
- Efficiency of propulsion system independent of operational depth
- Very shallow waters operation capability (40m)

SYSTEM FEATURES

- Computer based TFCS, linked to Command & Control System and to on-board sensors
- Automatic selection of torpedo pre-set data to achieve maximum hitting probability
- High reliability
- Easy and safe maintenance
- Low-cost logistic support



For more information:
infomarketing@leonardo.com

Electronics Division
 Via di Levante, 48
 57124 Livorno-Italy
 Tel. +39 0586 840111
 Fax: +39 0586 854060

This publication is issued to provide outline information only and is supplied without liability for errors or omissions.
 No part of it may be reproduced or used unless authorised in writing.
 We reserve the right to modify or revise all or part of this document without notice.

2022 © Leonardo S.p.A.

MM08741 07-22



leonardo.com

